

BUILT engineering

MEMORANDUM

TO: Steve Peck
stevejpeck@outlook.com

FROM: Brice Parrish

DATE: 12/3/20

PAGES: (2) incl. cover

RE: Issaquah Duplex guard rails at deck

Steve:

As I understand it, you opted to frame a 2x4 parapet wall framed with 2x4's @ 16" oc at the top of the deck framing rather than installing a guard rail system as shown in the approved engineering details. There are no straps to the deck/wall framing below to resist the overturning required 200 lb point load applied at the guard rail.

To resist the code-required loads, the top plates of the stud wall shall consist of (3) layers of continuous 2x4 framing. Each end of each layer of 2x4 shall be toe-nailed to the adjacent wall or column with (2) 10d nails. In addition, an A34 clip shall be placed at the top of the wall at each end to the adjacent framing. This will ensure that the guard rail can resist the required loading.

I trust this memo summarizes the issues adequately. Please give me a call if you have any questions.

Sincerely,

Brice S. Parrish, P.E.

